**Weekly Quiz 1 ELG B\_\_\_\_\_\_ ELG 1\_\_\_\_\_\_ ELG2\_\_\_\_\_\_**

**ELG B**

\_\_\_\_ 1. Test 72,238 for divisibility by 2, 5, or 10.

|  |  |
| --- | --- |
| a. | It is divisible by 2, but not by 5 or 10. |
| b. | It is divisible by 5 and 10 but not by 2. |
| c. | It is divisible by 2, 5, and 10. |
| d. | It is divisible by 5, but not by 2 or 10. |

\_\_\_\_ 2. Which number is divisible by 9 and 3?

|  |  |  |  |
| --- | --- | --- | --- |
| 977 | 428 | 2,552 | 1,800 |

|  |  |
| --- | --- |
| a. | 428 |
| b. | 2,552 |
| c. | 1,800 |
| d. | 977 |

\_\_\_\_ 3. ADV Find the missing digit to make 27,47\_ divisible by 9.

|  |  |
| --- | --- |
| a. | 7 |
| b. | 0 |
| c. | 6 |
| d. | 3 |

**ELG 1**

\_\_\_\_ 4. How many different factors does 20 have?

|  |  |
| --- | --- |
| a. | 2 |
| b. | 3 |
| c. | 4 |
| d. | 6 |

\_\_\_\_ 5. List all the factors of 60

|  |  |
| --- | --- |
| a. | 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60 |
| b. | 1, 2, 4, 5, 10, 20 |
| c. | 1, 2, 3, 4, 7, 14, 15, 20, 30, 60 |
| d. | 1, 2, 3, 4, 5, 10 |

\_\_\_\_ 6. ADV What is the least number that has 2, 3, and 4 as factors?

|  |  |
| --- | --- |
| a. | 6 |
| b. | 12 |
| c. | 18 |
| d. | 24 |

**ELG 2**

7. Write the definition of prime and composite.

Prime\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Composite\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Weekly Quiz 1**

**Answer Section**

**MULTIPLE CHOICE**

1. ANS: A PTS: 1 DIF: L1 REF: Skills Practice Investigation 1

OBJ: Investigation 1: Factors and Products NAT: NAEP N5b| NAEP N5c| NAEP N5d

STA: 6CO 1.3| 6CO 6.2 TOP: Problem 1.2 Prime and Composite Numbers

KEY: divisible | divisibility test | factor | composite number | prime number

2. ANS: C PTS: 1 DIF: L2 REF: Skills Practice Investigation 1

OBJ: Investigation 1: Factors and Products NAT: NAEP N5b| NAEP N5c| NAEP N5d

STA: 6CO 1.3| 6CO 6.2 TOP: Problem 1.1 Finding Proper Factors

KEY: divisible | divisibility test

3. ANS: A PTS: 1 DIF: L2 REF: Skills Practice Investigation 1

OBJ: Investigation 1: Factors and Products NAT: NAEP N5b| NAEP N5c| NAEP N5d

STA: 6CO 1.3| 6CO 6.2 TOP: Problem 1.1 Finding Proper Factors

KEY: divisibility | factor

4. ANS: D PTS: 1 DIF: L2 REF: Prime Time | Multiple Choice

OBJ: Investigation 4: Factorizations: Searching for Factor Strings

NAT: NAEP N5b| NAEP N5d STA: 6CO 1.3| 6CO 6.2

TOP: Problem 4.1 Finding Factor Strings

KEY: strings of factors | factorization | prime factorization | factor

5. ANS: A PTS: 1 DIF: L1 REF: Skills Practice Investigation 4

OBJ: Investigation 3: Common Multiples and Common Factors NAT: NAEP N5b| NAEP N5c| NAEP N5f

STA: 6CO 1.3| 6CO 6.2 TOP: Problem 3.3 Finding Common Factors

KEY: factor | factoring

6. ANS: B PTS: 1 DIF: L2 REF: Prime Time | Multiple Choice

OBJ: Investigation 3: Common Multiples and Common Factors NAT: NAEP N5b| NAEP N5c| NAEP N5f

STA: 6CO 1.3| 6CO 6.2 TOP: Problem 3.2 Finding the Least Common Multiple

KEY: multiple | least common multiple

**SHORT ANSWER**

7. ANS:

Prime has factors of 1 and itself.

Composite has more factors than 1 and itself.

PTS: 1